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# **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions and listings of claims in the application:

Attorney Docket No.: 70002-104001

Client Ref. No.: 09A-911128

# Listing of claims:

1-13. (Cancelled)

14. (Currently amended) A method for producing a fermentation product from starch-containing produce, the method comprising:

treating a starch-containing produce slurry with a first starch hydrolyzing enzyme that hydrolyzes starch to oligosaccharide at a temperature under which protein coagulates, the first starch hydrolyzing enzyme being a thermal stable  $\alpha$ -amylase,

removing insoluble materials from the slurry to obtain a starch hydrolysatecontaining solution,

treating the starch hydrolysate-containing solution with a second starch hydrolyzing enzyme that hydrolyzes starch or oligosaccharide to glucose to obtain a glucose-rich syrup, and

growing a microorganism in the glucose-rich syrup as is to produce a fermentation product.

- 15. (Currently amended) The method of claim 14, wherein the first starch hydrolyzing enzyme is  $\alpha$ -amylase and the second starch hydrolyzing enzyme is glucoamylase.
- 16. (Previously presented) The method of claim 15, wherein the fermentation product is wine, vinegar, lactic acid, citric acid, or amino acids.

### 17. (Cancelled)

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18. (Previously Presented) The method of claim 16, wherein the produce is rice, tapioca, grain sorghum, potato, sweet potato, wheat, barley, corn, or legumes.

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- 19. (Previously presented) The method of claim 14, wherein the fermentation product is wine, vinegar, lactic acid, citric acid, or amino acids.
- 20. (Original) The method of claim 14, wherein the produce is rice, tapioca, grain sorghum, potato, sweet potato, wheat, barley, corn, or legumes.

#### 21-30. (Cancelled)

- 31. (Previously presented) The method of claim 14, wherein the temperature is 90 °C.
- 32. (Previously presented) The method of claim 15, wherein the temperature is 90 °C.
- 33. (Previously presented) The method of claim 16, wherein the temperature is 90 °C.
- 34. (Previously presented) The method of claim 18, wherein the temperature is 90 °C.
- 35. (Previously presented) The method of claim 19, wherein the temperature is 90  $^{\circ}$ C.
- 36. (Previously presented) The method of claim 20, wherein the temperature is 90 °C.

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# 37-44. (Cancelled)

45. (Currently amended) The method of claim 14, wherein the first starch hydrolyzing enzyme is α-amylase and the second starch hydrolyzing enzyme is glucoamylase and wherein the glucose-rich syrup contains 105 mg/ml or 114 mg/ml glucose and the growing step is carried out by growing *Aspergillus oryzae* for three days to produce the fermentation product containing 10.5% ethanol or for five days to produce the fermentation product containing 13.5% ethanol.

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#### 46. (Cancelled)

- 47. (Previously presented) The method of claim 45, wherein the fermentation product is wine.
- 48. (Previously presented) The method of claim 45, wherein the produce is rice, tapioca, grain sorghum, potato, sweet potato, wheat, barley, corn, or legumes.

### 49-52. (Cancelled)

- 53. (Previously presented) The method of claim 14, wherein the microorganism is *Aspergillus oryzae*.
- 54. (Currently amended) The method of claim 53, wherein the first starch hydrolyzing enzyme is  $\alpha$ -amylase and the second starch hydrolyzing enzyme is glucoamylase.
- 55. (Previously presented) The method of claim 53, wherein the produce is rice, tapioca, grain sorghum, potato, sweet potato, wheat, barley, corn, or legumes.

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(Previously presented) The method of claim 53, wherein the temperature 56. is 90 °C.

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